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CENTRAL INTELLIGENCE AGENCY
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SOURCE Promyshlennaya Energetika, No 8, 1950, p 16.

NEW USSR BOOKS ON INDUSTRIAL POWER

1. Economy of Electric Power in Municipal Electric Transport (Ekonomiya elektricheskoy energii na gorodskom elektricheskom transporte), D. I. Bondarevskiy, Moscow-Leningrad. Izd-l [sic] Ministry of Communal Economy of RSFSR, 1950, 42 pp with diagrams, 1,000 copies, R 1.90

Contains information on the electric power consumption of all transport services, methods of calculating the power required for propulsion and for auxiliary needs, and practical measures for reducing power consumption by municipal transportation. There are three appendixes: (1) instructions to drivers of streetcars and trolley buses on the economic use of power; (2) instructions to mechanics on the economic use of power; (3) approximate account of electric power consumption by a streetcar-trolley bus administration.

2. Excitation Regulation and the Static Stability of a Synchronous Machine (Regulirovaniy vozbuzhdeniya i staticheskaya ustoichivost' sinkhronnoy machiny), M. M. Botvinnik, Moscow-Leningrad, Gosenergoizdat, 1950, 63 pp with sketches, 1,500 copies, R 2.75.

Examines problems connected with increasing the static stability of synchronous machines used in very long distance ac power transmission by regulating excitation according to the angular displacement of the rotor.

3. Electric Drive in the Flour and Groat Milling Industry (Elektroprivod v mukomol'no-krupyanoy promyshlennosti), Ye. L. Mar'yanovskiy, Moscow, Zagotizdat, 1950, 176 pp with sketches, 2,000 copies, R 9.10

Discusses a number of questions connected with the selection and use of electric drive in flour and groat mills. Written for the use of engineers and technicians of the flour and groat industry.

4. Selection and Operation of Electrical Equipment in Mines (Vybor i eksploatatsiya elektroustanovok shakht), N. A. Letov, Molotov, Molotovgiz, 1950, 364 pp with sketches, 3,000 copies, R 12.50

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STATE	X	NAVY	X	NSRB		DISTRIBUTION													
ARMY	X	AIR	X	FBI															

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This book is divided into the following sections: distribution system and transformer substations, overhead and cable networks, electric motors, low-voltage distribution and starting equipment, dc converters, electric lighting, storage batteries, electric welding, warning, protective and grounding equipment. Describes methods by which power utilization can be improved in mines.

5. Capacitors for Increasing the Power Factor (Kondensatornyye ustanovki dlya povysheni_ koeffitsienta moshchnosti), B. A. Polyakov, Moscow-Leningrad, Gosenergoizdat, 1950, 176 pp with sketches, 5,000 copies, R 10.00

Describes the layout and construction of capacitors for increasing the powe. factor, and discusses the electrical processes taking place within them.

6. Elements of Automatic and Telemechanic Apparatus (Elementy avtomaticheskoy i telemekhanicheskoy apparatury), B. S. Sotskov, Moscow-Leningrad, Gosenergoizdat, 1950, 660 pp with sketches, 5,000 copies, R 33.00

Contains information on the principles of construction, the theory, design, and characteristics of the principal elements of automatic and telemechanic apparatus, including relays, transmitting elements, amplifiers, stabilizers, distributors, and working elements.

7. Research in the Field of Steam Turbine Regulation (Issledovaniya v oblasti regulirovaniya parovykh turbin), edited by M. Z. Kheyfets, Leningrad-Moscow, Gosenergoizdat, 1950, 251 pp with sketches, 2,000 copies, R 16.00

Consists of a summary of theoretical works carried out in the Bureau of Steam Turbines of the Leningrad Order of Lenin Metallurgical Plant imeni Stalin. The articles are mainly concerned with the stability and self-excited oscillation of the speed regulation systems, regulation stability taking into account the effect of distributed mass and the compressibility of the medium, and the effect of a servomotor with double amplification on the characteristics of speed-regulation processes.

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